

- CONSTRUCTION NOTES**
- EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
 - LOCATION OF ALL SERVICES TO BE CONFIRMED IN THE FIELD.
 - INSTALL WATERMAIN BY TRENCHLESS METHODS.
 - TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
 - ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
 - MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4 m.
 - REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO R.
 - NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

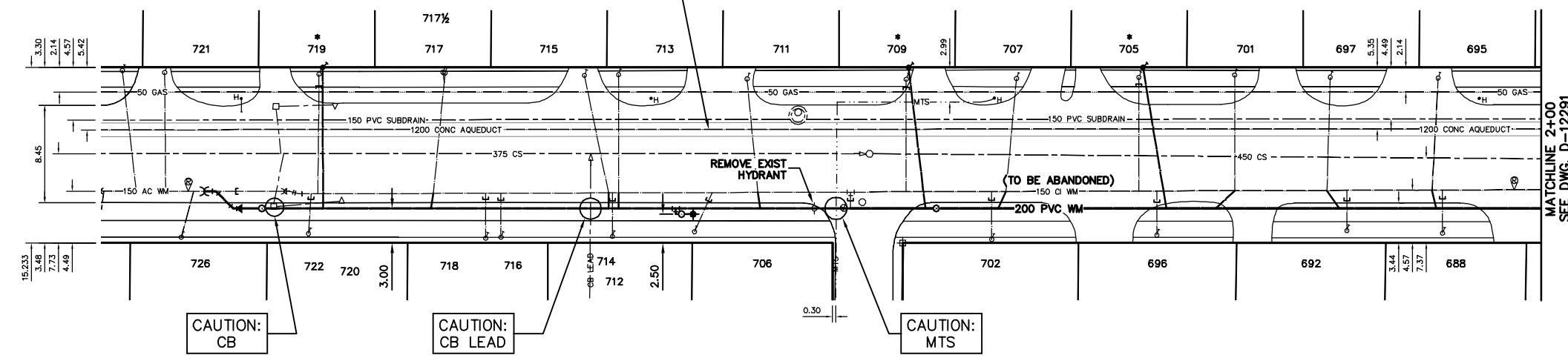
WATER SERVICE INFORMATION

ADDRESS	SIZE(mm) & TYPE (STREET)	SIZE(mm) & TYPE (PROP.)	SHORT & LONG MEASUREMENT	CORP. LOCATION	REMARKS
688 PACIFIC AVE	20 COPPER	20 COPPER	4.21 EWHL	OPP OF S/C	
689 PACIFIC AVE	20 COPPER	20 COPPER	108.49 WWL SHERBROOK	OPP OF S/C	
692 PACIFIC AVE	20 COPPER	20 COPPER	OPP EHL	OPP OF S/C	
695 PACIFIC AVE	20 COPPER	20 COPPER	116.72 WWL SHERBROOK	OPP OF S/C	
696 PACIFIC AVE	20 COPPER	20 COPPER	OPP WHL	0.6 E OF S/C	
697 PACIFIC AVE	20 COPPER	20 COPPER	109.01 WWL SHERBROOK	OPP OF S/C	
701 PACIFIC AVE	20 COPPER	20 COPPER	4.95 WEHL	OPP OF S/C	
702 PACIFIC AVE	20 COPPER	20 COPPER	133.32 WWL SHERBROOK	OPP OF S/C	
703 PACIFIC AVE	20 COPPER	20 COPPER	1.60 EWHL	OPP OF S/C	
704 PACIFIC AVE	20 COPPER	20 COPPER	118.48 WWL SHERBROOK	OPP OF S/C	
705 PACIFIC AVE	12 COPPER	12 COPPER	1.5 WEHL	OPP OF S/C	
706 PACIFIC AVE	20 COPPER	20 COPPER	126.16 WWL SHERBROOK	OPP OF S/C	
707 PACIFIC AVE	20 COPPER	20 COPPER	2.16 WEHL	OPP OF S/C	
708 PACIFIC AVE	20 COPPER	20 COPPER	147.57 WWL SHERBROOK	OPP OF S/C	
709 PACIFIC AVE	12 COPPER	12 COPPER	2.81 WEHL	OPP OF S/C	RENEW TO R W/ 20 COPPER
710 PACIFIC AVE	20 COPPER	20 COPPER	135.08 WWL SHERBROOK	OPP OF S/C	
711 PACIFIC AVE	20 COPPER	20 COPPER	2.59 WWHL	1.6 E OF S/C	
712 PACIFIC AVE	20 COPPER	20 COPPER	173.38 WWL SHERBROOK	OPP OF S/C	
713 PACIFIC AVE	20 COPPER	20 COPPER	1.02 WEHL	0.9 W OF S/C	
714 PACIFIC AVE	20 COPPER	20 COPPER	145.62 WWL SHERBROOK	OPP OF S/C	
715 PACIFIC AVE	20 COPPER	20 COPPER	OPP EHL	OPP OF S/C	RENEW TO R W/ 20 COPPER
716 PACIFIC AVE	20 COPPER	20 COPPER	155.08 WWL SHERBROOK	OPP OF S/C	
717 PACIFIC AVE	20 COPPER	20 COPPER	168.94 WWL SHERBROOK	OPP OF S/C	
718 PACIFIC AVE	20 COPPER	20 COPPER	2.83 WEHL	0.9 E OF S/C	
719 PACIFIC AVE	20 COPPER	20 COPPER	180.54 WWL SHERBROOK	OPP OF S/C	DBL W/ 714
720 PACIFIC AVE	20 COPPER	20 COPPER	4.70 WEHL	OPP OF S/C	
721 PACIFIC AVE	20 COPPER	20 COPPER	180.29 WWL SHERBROOK	OPP OF S/C	
722 PACIFIC AVE	20 COPPER	20 COPPER	2.83 WEHL	OPP OF S/C	DBL W/ 712
723 PACIFIC AVE	20 COPPER	20 COPPER	180.54 WWL SHERBROOK	OPP OF S/C	
724 PACIFIC AVE	20 COPPER	20 COPPER	1.96 EWHL	2.5 E OF S/C	
725 PACIFIC AVE	20 COPPER	20 COPPER	182.99 WWL SHERBROOK	OPP OF S/C	
726 PACIFIC AVE	20 COPPER	20 COPPER	2.46 WEHL	OPP OF S/C	
727 PACIFIC AVE	20 COPPER	20 COPPER	190.01 WWL SHERBROOK	OPP OF S/C	
728 PACIFIC AVE	20 COPPER	20 COPPER	1.40 WEHL	1.6 W OF S/C	"WYED" WITH 717 1/2
729 PACIFIC AVE	20 COPPER	20 COPPER	195.19 WWL SHERBROOK	OPP OF S/C	
730 PACIFIC AVE	20 COPPER	20 COPPER	1.51 WEHL	0.9 W OF S/C	"WYED" WITH 717
731 PACIFIC AVE	20 COPPER	20 COPPER	195.40 WWL SHERBROOK	OPP OF S/C	
732 PACIFIC AVE	20 COPPER	20 COPPER	2.70 EWHL		
733 PACIFIC AVE	20 COPPER	20 COPPER	191.55 WWL SHERBROOK		
734 PACIFIC AVE	20 COPPER	20 COPPER	3.77 EWHL	OPP OF S/C	RENEW TO R W/ 20 COPPER
735 PACIFIC AVE	20 COPPER	20 COPPER	206.62 WWL SHERBROOK	OPP OF S/C	
736 PACIFIC AVE	20 COPPER	20 COPPER	0.85 EWHL	0.3 E OF S/C	DBL W/ 722
737 PACIFIC AVE	20 COPPER	20 COPPER	206.89 WWL SHERBROOK	OPP OF S/C	
738 PACIFIC AVE	20 COPPER	20 COPPER	7.17 WEHL	OPP OF S/C	
739 PACIFIC AVE	20 COPPER	20 COPPER	219.96 WWL SHERBROOK	OPP OF S/C	
740 PACIFIC AVE	20 COPPER	20 COPPER	0.65 EWHL	0.3 E OF S/C	DBL W/ 720
741 PACIFIC AVE	20 COPPER	20 COPPER	206.89 WWL SHERBROOK	OPP OF S/C	
742 PACIFIC AVE	20 COPPER	20 COPPER	0.9 EWHL	1.1 E OF S/C	
743 PACIFIC AVE	20 COPPER	20 COPPER	217.86 WWL SHERBROOK		

NOTE: CHAINAGES SHOWN ARE ALONG S. R. OF PACIFIC AVE.

CAUTION:
1200 AQUEDUCT
EXPOSE BY SOFT DIG METHODS PRIOR TO CONSTRUCTION TO CONFIRM DEPTH

PACIFIC AVENUE

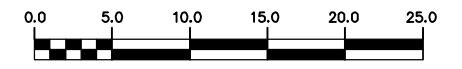


CAUTION: CB

CAUTION: CB LEAD

CAUTION: MTS

NOTE: ALL VALVES TO BE INSTALLED COUNTERCLOCKWISE TO CLOSE



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

200 WM		525 LDS		375 WWS		150 WM		300 LDS		250 WWS	
+	HYDRANT	+	HYDRANT	+	HYDRANT	+	HYDRANT	+	HYDRANT	+	HYDRANT
o	VALVE	o	VALVE	o	VALVE	o	VALVE	o	VALVE	o	VALVE
+	LAND DRAINAGE SEWER	+	LAND DRAINAGE SEWER	+	LAND DRAINAGE SEWER	+	LAND DRAINAGE SEWER	+	LAND DRAINAGE SEWER	+	LAND DRAINAGE SEWER
+	WASTEWATER SEWER	+	WASTEWATER SEWER	+	WASTEWATER SEWER	+	WASTEWATER SEWER	+	WASTEWATER SEWER	+	WASTEWATER SEWER
o	MANHOLE	o	MANHOLE	o	MANHOLE	o	MANHOLE	o	MANHOLE	o	MANHOLE
+	CATCH BASIN	+	CATCH BASIN	+	CATCH BASIN	+	CATCH BASIN	+	CATCH BASIN	+	CATCH BASIN
+	CURB INLET	+	CURB INLET	+	CURB INLET	+	CURB INLET	+	CURB INLET	+	CURB INLET
+	REDUCER	+	REDUCER	+	REDUCER	+	REDUCER	+	REDUCER	+	REDUCER
+	COUPLER	+	COUPLER	+	COUPLER	+	COUPLER	+	COUPLER	+	COUPLER
+	ANODE	+	ANODE	+	ANODE	+	ANODE	+	ANODE	+	ANODE
+	LEGEND-PLAN	+	LEGEND-PLAN	+	LEGEND-PLAN	+	LEGEND-PLAN	+	LEGEND-PLAN	+	LEGEND-PLAN
+	LEGEND-PROFILE	+	LEGEND-PROFILE	+	LEGEND-PROFILE	+	LEGEND-PROFILE	+	LEGEND-PROFILE	+	LEGEND-PROFILE

SL, HYDRO	MTS	TRAFFIC SIGNALS	GAS	SURVEY BAR	FENCE	POLE - HYDRO, MTS	CURB STOP	GUY ANCHOR	LIGHT STANDARD	TREE
+	+	+	+	+	+	+	+	+	+	+

LOCATION APPROVED UNDERGROUND STRUCTURES		
SUPV. U/G STRUCTURES COMMITTEE	DATE	
NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.		

B.M. ELEV.	FIELD BOOK #	DESIGNED BY	CHECKED BY	DRAWN BY	APPROVED BY	HOR. SCALE	VERTICAL	DATE
POSTED TO LBS		RC	SC	CJH	KZ	1:250	1:50	2011 01 17

ENGINEER'S SEAL
ORIGINAL SIGNED BY R.W. CARROL
11/01/18

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2011 WATERMAIN RENEWALS
CONTRACT 2
PACIFIC AVENUE
225 W OF SHERBROOK STREET TO
100 W OF SHERBROOK STREET

SHEET 8 OF 12
CITY DRAWING NUMBER D-12290